From: To: Subject: Date:	Hage Findows Nove 1.5 (11.5 (2010) C 1750) C 2010 C
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I am also availa	
Sent: Thursday, To: Granger, M Cc: Higginboth	Documber 7, 2018;1;1 AM ichides Granger Michelle @dept.gpro: um, Name ECPU USARMY CENWE (US) «Nanci E Higginbothum@usace.ammy.mil>
Subject: RE: Go Hi Michelle,	retriment Shadown & Review of Results of Supplemental Soil Bortings, Washington Plant Shandown, OU3, PVGCS Site
Hope you had a	great holiday. In working today and tomorrow but a combination of home and office.
I agree that ther	e'is good correlation between PID and soil analytical results for TCE. I recall looking at this during last Spring's PDI. Idd a quick check and plotted PID vs. TCE concentration detections for 6 of the borings in the provided spreadtheet (SB-18, 20, 24, 25, 26, and VMP-1). I agree that 90 ppmV is a decent field screening indicator that we may have
concentrations	of TCE at or above 1 mg kg.
It looks like the	should have field screening results for the first set of borings soon based on last night's report and will be deliberating on the location of the nest set of borings. I'll be monitoring email and cell phone in the event we need to make a quick decision.
Erin	
Original Me From: Granger, Sent: Wednesda	Michelle [malloc Granger Michelle (grang gor) W December 20, 1981 MM M
To: Hauber, Eri Subject: [Non-I	M CIV USARMY CENWE, (USA) - firm M Hather@nusce army milb- baD Source] PW: Government Shatdown & Review of Results of Supplemental Soil Borings, Washington Plant Shatdown, OU3, PVGCS Site
Hi, Erin-	
Hope you and y	our family are having a great holiday!
I'm working at a	my AWL today and someorrow. Just wanted to get your thoughts on the info below and attached from Brace.
Thank you! Michelle-	
	Kemington [bleenington #ramboll.com] by, December 26, 2018 10:39 AM
To: Granger, M	idelle
	bert@unce.ammy.mil; Luis Hiddigo (Luis Hiddigo@riorium com); Sam Popedar, Michael Kevin Eddings; Brink, Bradley J CIV USABMY CENWK (US) (Bradley J Brink@unce.ammy.mil); patrick nejand overmment Stundown & Review of Revalus of Supplemental Soil Borings, Washington Plant Shundown, OUI, PVGCS Site
Thank you, Mic	shellet Very good to hear.
FVI as reported	in our daily update sent out by Stan Popolar, our on-site drill preparation crews get both rigs setup inside the Washington Plant building and on the MPA floor ready to go yesterday. Drill crews were ready to commence drilling in cament 1st thing this morning.
need to make a	it is possible that the first pair of coil betrings may be completed by early tomorrow morning, at which point we will be looking to connect with you and your staff to reach concurrence on movement to the next dill location for each tig. Although we may have some soil analytical results, we would not have all lib results for each soil botting in time, and we decision so as not to delay fig movement to accomplish our planned additional soil botting-during this limited windows of access to the MFA floor during this plant shandown.
Accordingly, we mg/kg (e.g., soi	easticipate the need to make decisions where to move the drill rigs next based on PID screening results. Please see the attached summary table with both PID readings and soil analytical results from the PID soil borings completed to date. In the vast majority of instances where TCE analytical results in soils were greater than significantly greater than I borings in the MPA at SB-25 and SB-20), PID screening results were >50 PPMs.
We are tracking	progress of the drilling very closely and will update you with a proposed time for a call as soon as we are able.
Bruce S Kennin	gron
Principal	
D+1 (312) 288-	3824
M+1 (312) 953	1995 1995
bkennington@r	ambell com
Original Me	
	Michelle «Granger Michelle @epa gov> y, December 26, 2018 7-30 AM
	y, secures at any a so and a
Cc: Erin.M.Hau	thert® usace army atil overment Shatabown & Review of Results of Supplemental Soil Borings, Washington Plant Shatabown, OU3, PVGCS Site

Thank you for your email. Yes, you will be able to connect with me and USACE during the shandown.
Hope all is going well!
Best,
Michelle-
From: Brace S Kernington [bkennington@ramboll.com]
Sent: Monday, December 24, 2018 11:56 AM
To: Granger, Michelle
Subject: Government Shatshown & Review of Results of Supplemental Soil Borings, Washington Plant Shatshown, OU3, PVGCS Site
Dear Michelle:
With the congcing government shatdown, I am writing to confirm our ability to connect with you and the representatives of the U.S. Army Corps of Engineers during our soil boring activities this week. I understand that much of essential government agencies continue to function. Our on-site personnel discussed with the local USACE personnel this morning, that their fiftor remain unaffected.
I just want to consfirm with you that when we have results of the initial soil borings this week that we will be able to reach you (on your cell: 516-321-0438) or others to discuss and obtain concurrence from the Agency.
Browe S Kennington
Principal
D+1 G12) 288-3834
M +1 (312) 953-9965
Netratington @ ramboll.com-canilo.Netratington @ ramboll.com->
From: Granger Michelle-Granger Michellellepa geo-mailto Granger Michellellepa geo->>
Sent: Tuesday, December 04, 2018 11-12 AM
To Brace S Kennington «Meanington@ramboll.com» mailtochkennington@ramboll.com»
Subject: RE: Coordination for Supplemental Soil Borings, Washington Plant Shardovn, OUX, PVGCS Site
Hi, Bruce-
Thank you for the all the details below and attached. USACE will be there doing oversight and taking spits as in the past. They have my cell number. Please feel free to cell my cell (below) when results are received during the week of Dec. 24th and Dec. 31st.
Plantk you!
Michells-
Cell: 516-321.0438
From: Brace S Kennington (Atennington) Frankoll com-quality-kiennington) frankoll com-quality-kiennington frankoll com-quality-kiennington) frankoll com-quality-kiennington frankoll com-quality-kienningt
Smit Tuesday, November 27, 7018 3-55 PM

C. Lea Malay of an idalog of artifact of an idalog of artifact of a control of a co

Dear Mir	inhelle:
Please se inside an	the the below and attached with details on the planned supplemental will bosines to be performed inside the Main Production Area (MPA) of the Albel American Washington facility during the scheduled plant thutdown from Dec 24, 2018 to Jan 1, 2019. Included its a GANT chart time schedule and maps illustrating routes for staging and transpol considered the Washington plant building. We have had recent meetings and on-side reviews with the Albels facility stuff to coordinate details, and are prepared to proceed accordingly.
Decemb	be Hart Shadows - Dillius Implementation time schedule in MFA Pleas see attacked "Exhibit 8" with details of the planned December dillius activities, and the below with descriptions of the activities that are planned such date. Ramboil and Caecade Drilling personnel will arrive on-site beginning December 18th to perform onsdoor setup on continuent and such activities in the area planned such date. Ramboil and Caecade Drilling personnel will arrive on-site beginning December 18th to perform onsdoor setup on continuent and such activities that are planned such date. Ramboil and Caecade Drilling personnel will arrive on-site beginning December 18th to perform onsdoor setup on continuent and such activities that are planned such date. Ramboil and Caecade Drilling personnel will arrive on-site beginning December 18th to perform onsdoor setup on continuent and the property of the performance of the property of the performance of the per
of drillin	g equipment and setup mode the building is planned to begin on Dec 24th. The "Digitime" shift described below will begin each day at 7MM, and the "Night" shift will begin each day at 7PM.
December Outdoor	ser 18 - Ondoor Set-up - One 10 to 12 hours Shift (Duytime) December 19 - Ondoor Set-up - One 10 to 12 hours Shift (Duytime) December 22 - Ondoor Set-up - One 10 to 12 hours Shift (Duytime) December 23 - Ondoor Set-up - One 10 to 12 hours Shift (Duytime) December 24 - Ondoor Set-up - One 10 to 12 hours Shift (Duytime) December 24 - Ondoor Set-up - One 10 to 12 hours Shift (Duytime) December 24 - Ondoor Set-up - One 10 to 12 hours Shift (Duytime) December 25 - Ondoor Set-up - One 10 to 12 hours Shift (Duytime) December 26 - Onling in the North Shift (Duytime) December 27 - Onling in the North Shift (Duytime) December 28 - Onling in the Nor
Drilling	Social PA. Two Rigs (Fig. 10 to 2) boars Shifts (Day Shift Shift Shift) Jamany 1. Denobe from the MPA and Clean sp. Two Rigs (Fig. 10 to 12) boars Shifts (Day Shift Shift Jamany 2. Ondoor Denobe (Daytime, if needed)
Traffic F	Routes and Staging Laydown Areas. Please see the attached Figure 1, with the planned imflic route for movement of equipment and materials and proposed condoor staging areas. Figure 2 illustrates the planned ingress and egress routes for movement of equipment and materials inside the building to support the December drilling activities in
Of impor	stant note is that given the limited time frame to perform this work within the MPA before the plant resumes production (a total of 9 days, and 6 days of difficient to complete up to 4 total will being a soon as we have results (i.e., field observations, PID neutrometers and 24-boor TAT for volatiles in soil samples) we would like to communications are not a single of the part of the par
Please k	et us know if there are any questions on the detailed schedule for these supplemental soil bening activities for OU3.
Sincerely	¥
Bruce S	Kenington
Masters	of Engineering Environmental Engineering Principal
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M+1/3	12) 933,9965
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